



D33

STIC Search Report

EIC 1700

STIC Database Tracking Number: 106073

TO: Terrence R. Till
Location: CP3 7D33
Art Unit : 1744
October 16, 2003

Case Serial Number: 09/122541

From: Kendra Mellerson
Location: EIC 1700
CP3/4-3D62
Phone: 308-4483

Kendra.Mellerson@uspto.gov

Search Notes

No Cases Reported

Mellerson, Kendra

From: Till, Terrence
Sent: Thursday, October 16, 2003 10:20 AM
T : STIC-EIC1700
Subject: litigation request

Could you please research the following patents for any litigation:

6,026,540

6,101,670

5,920,952

Thankyou

Terrence R. Till
Terrence R. Till
Art Unit 1744
(703) 308-1592

PATNO IS 6026540

DATE: OCTOBER 16, 2003
LIBRARY: PATENT
FILE: ALL

Your search request is:
PATNO IS 6026540

Number of PATENTS found with your search request through:
LEVEL 1... 1

Your search request has found 1 PATENT through Level 1.
To DISPLAY this PATENT press either the KWIC, FULL, CITE or SEGMENTS key.
To MODIFY your search request, press the M key (for MODFY) and then the ENTER key.

For further explanation, press the H key (for HELP) and then the ENTER key.

LEVEL 1 - 1 PATENT

1. 6026540 , February 22, 2000 , Upright vacuum cleaner with cyclonic airflow, Wright, Michael F. - Stow, Ohio, United States (US); Thur, Charles J. - Mentor, Ohio, United States (US); Latimer, Brett A. - Mentor, Ohio, United States (US); Stephens, Paul D. - Cleveland Hts., Ohio, United States (US); Cipolla, Mark E. - Chardon, Ohio, United States (US), 122541 (09), Royal Appliance Mfg. Co., Cleveland, Ohio, United States (US), 02, July 24, 1998 - ASSIGNMENT OF ASSIGNS INTEREST (SEE DOCUMENT FOR DETAILS)., ROYAL APPLIANCE MFG. CO. 650 ALPHA DRIVE CLEVELAND OHIO 44143, Reel and Frame Number: 009349/0801 November 9, 1998 - RE-RECORD TO CORRECT ASSIGNOR'S NAME ON A DOCUMENT PREVIOUSLY RECORDED ON 7-2 4-98 AT REEL 9349, FRAME 0801., ROYAL APPLIANCE MFG. CO. 650 ALPHA DRIVE CLEVELAND OHIO 44143, Reel and Frame Number: 009447/0028 April 3, 2000 - SECURITY INTEREST (SEE DOCUMENT FOR DETAILS)., NATIONAL CITY BANK NATIONAL CITY CENTER 1900 EAST NINTH STREET CLEVELAND OHIO 44114, Reel and Frame Number: 010685/0797 July 3, 2002 - SECURITY AGREEMENT AND COLLATERAL AGREEMENT, NATIONAL CITY BANK 1900 EAST NINTH STREET CLEVELAND OHIO 44114, Reel and Frame Number: 013036/0560

LEVEL 1 - 1 OF 1 PATENT

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

6026540

<=1> GET 1st DRAWING SHEET OF 20

February 22, 2000

Upright vacuum cleaner with cyclonic airflow

REISSUE: February 12, 2002 - Reissue Application filed Ex. Gp.: 1744; Re. S.N.
10/074,615 (O.G. August 27, 2002)

APPL-NO: 122541 (09)

FILED-DATE: July 24, 1998

GRANTED-DATE: February 22, 2000

6026540 OR 6,026,540

Your search request has found no CASES.

To edit the above request, use the arrow keys. Be sure to move the cursor to the end of the request before you enter it.

To enter a new search request, type it and press the ENTER key.

What you enter will be Search Level 1.

For further explanation, press the H key (for HELP) and then the ENTER key.

Questel·Orbit QWEB

Current session 16/10/2003

Query/Command : N

..FILE / ..INFO / ..GUIDE

Query/Command : FILE PLUSPAT

QUESTEL - Time in minutes : 0,76
The cost estimation below is based on Questel's
standard price list

Estimated cost : 0.70 USD
Cost estimated for the last database search : 0.70 USD
Estimated total session cost : 0.70 USD

Selected file: PLUSPAT

PLUSPAT - (c) Questel-Orbit, All Rights Reserved.
Comprehensive Worldwide Patents database
New Patent Citation Commands & FAM Citation Report - see INFO PATCITE
Last update of file: 2003/10/15 (YYYY/MM/DD) 2003-41/UP (basic update)

Search statement 1

Query/Command : US6026540/PN

**** SS 1: Results 1**

Search statement 2

Query/Command : PRT FULL NONSTOP LEGALALL

I/I PLUSPAT - ©QUESTEL-ORBIT - image		
PN	-	US6026540 A 20000222 [US6026540]
TI	-	(A) Upright vacuum cleaner with cyclonic airflow
PA	-	(A) ROYAL APPLIANCE MFG (US)
PA0	-	Royal Appliance Mfg. Company, Cleveland OH [US]

Questel-Orbit QWEB

IN	-	(A) WRIGHT MICHAEL F (US); THUR CHARLES J (US); LATIMER BRETT A (U STEPHENS PAUL D (US); CIPOLLA MARK E (US)
AP	-	US12254198 19980724 [1998US-0122541]
FD	-	C.I.P. of US004999 19980109 [1998US-0004999]
PR	-	US12254198 19980724 [1998US-0122541] US499998 19980109 [1998US-0004999]
IC	-	(A) A47L-009/10
EC	-	A47L-005/28 A47L-009/12 A47L-009/16 B01D-039/16K B01D-050/00B B04C-009/00
PCL	-	ORIGINAL (O) : 015347000; CROSS-REFERENCE (X) : 015353000
DT	-	Corresponding document
CT	-	US2316836; US2394923; US2507897; US2516707; US2921646; US3177635; US3320 US3797064; US3820310; US3910781; US4072483; US4108778; US4118208; US4172 US4198726; US4268288; US4276070; US4284422; US4355434; US4373228; US4443 US4457043; US4486206; US4571772; US4573236; US4593429; US4643748; US4718 US4769052; US4826515; US4853008; US4853011; US4944780; US5062870; US5078 US5090975; US5090976; US5101532; US5145499; US5160356; US5230722; US5248 US5267371; US5271751; US5287591; US5307538; US5427597; US5464460; US5593 US5603741; US5685894; US5704956; US5779745; GB1049292; GB2265096; GB228 WO8402282
STG	-	(A) United States patent
AB	-	An upright vacuum cleaner (A) includes an upright housing section (B) and a nozzle sec cyclonic airflow dirt and dust separating chamber (54) is defined in said upright housing suction source (E) pulls air and entrained dirt, dust, and other contaminants through a m opening (26) formed in the underside (24) of the nozzle and into the cyclonic airflow ch The cyclonic airflow chamber causes the suctionairstream to travel in a cyclonic path su entrained contaminants are separatedtherefrom and deposited into a dirt container (52) th the lower portion of the chamber (54). A main filter element (H) filters residual contami the suction airstream between the chamber and the suction source. The main filter eleme preferably made from high-density polyethylene porous filter media. A final filter assem filters the suctionairstream discharged by the suction source to ensure that the air discha the atmosphere is contaminant free, including those contaminants introduced into theorst the suction source itself.
UP	-	2000-10

1/1 LGST - ©EPO

PN	-	US6026540 A 20000222 [US6026540]
AP	-	US12254198 19980724 [1998US-0122541]
DT	-	US-A
ACT	-	20020827 US/RF-A REISSUE APPLICATION FILED

EFFECTIVE DATE: 20020212

UP - 2003-22

1/1 CRXX - © CLAIMS/RRX

PN - 6,026,540 A 20000222 [US6026540]

PA - Royal Appliance Manufacturing Co

ACT - 20000403 REASSIGNED
SECURITY INTEREST

Assignor: ROYAL APPLIANCE MFG., CO. DATE SIGNED: 03/07/2000

Assignee: NATIONAL CITY BANK NATIONAL CITY CENTER 1900 EAST NINTH
STREET CLEVELAND OHIO 44114

Reel 010685/Frame 0797

Contact: JONES, DAY, REAVIS & POGUE JOHN W. SAGER NORTH POINT 901
LAKESIDE AVENUE CLEVELAND, OH 4411420020212 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20020827
REISSUE REQUEST NUMBER: 10/074615
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS : 1744

Reissue Patent Number:

20020703 REASSIGNED
SECURITY AGREEMENT AND COLLATERAL AGREEMENT

Assignor: ROYAL APPLIANCE MFG. CO. DATE SIGNED: 04/01/2002

Assignee: NATIONAL CITY BANK 1900 EAST NINTH STREET CLEVELAND OH
44114

Reel 013036/Frame 0560

Contact: JONES, DAY, REAVIS & POGUE DAVID B. COCHRAN, ESQ. 901 LAKE
AVENUE CLEVELAND, OH 44114

Query/Command : FILE INPADOC

PLUSPAT - Time in minutes : 0,30

Questel-Orbit QWEB

The cost estimation below is based on Questel's standard price list

Records displayed and billed : 1	Estimated cost : 0.69	USD
Cost estimated for the last database search :	1.94	USD
Estimated total session cost :	2.64	USD

LGST - Time in minutes : 0,03

The cost estimation below is based on Questel's standard price list

Records displayed and billed : 1	Estimated cost : 0.03	USD
Legal-Status informations : 1	Estimated cost : 0.60	USD
Cost estimated for the last database search :	1.13	USD
Estimated total session cost :	3.77	USD

CRXX - Time in minutes : 0,08

The cost estimation below is based on Questel's standard price list

Records displayed and billed : 1	Estimated cost : 0.14	USD
Legal-Status informations : 1	Estimated cost : 5.30	USD
Cost estimated for the last database search :	5.94	USD
Estimated total session cost :	9.71	USD

LITA - Time in minutes : 0,00

The cost estimation below is based on Questel's standard price list

Estimated total session cost : 9.71 USD

Selected file: INPADOC

You are now connected to INPADOC
Covers 1968/1973 thru weekly updates (2003-41)
For information on content, (...)INFO INPD.

Search statement 1

Query/Command : FAM US6026540/PN

1 Patent Groups

**** SS 2: Results 28**

Search statement 3

Query/Command : FAMSTATE NONSTOP

1/28 INPADOC - ©INPADOC

PN	-	CA 2355226 AA 20000622 [CA2355226]
TI	-	UPRIGHT VACUUM CLEANER WITH CYCLONIC AIRFLOW
LA	-	ENG
IN	-	WRIGHT MICHAEL F [US]; BAIR KENNETH W [US]; GIBBS RICHARD C [US]; REINDLE MARK E [US]
PA	-	ROYAL APPLIANCE MFG [US]
AP	-	CA 2355226/99-A 19991217 [1999CA-2355226]
PR	-	US 216529/98-A 19981218 [1998US-0216529] WO 9930143/99(US)-W 19991217 [1999WO-US30143]
IC	-	A47L-009/16

1/1 LEGALI - ©EPO

PN	-	WO200035330 A2 20000622 [WO200035330]WO200035330 A3 20001109 [WO2000
AP	-	WOUS9930143 19991217 [1999WO-US30143]
DT	-	WO-P; WO-A3; JP-A; CA-A
ACTE	-	<p>20000622 WO/AK-A3 [+] DESIGNATED STATES CITED IN A SUBSEQUENTLY PUBLISHED SEARCH RE CA JP</p> <p>20000622 WO/AL-A3 [+] DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A SUBSEQUENTLY PUBLISHED SEARCH REPORT AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE</p> <p>20000816 WO/121-A3 EP: THE EPO HAS BEEN INFORMED BY WIPO THAT EP WAS DESIGNATED IN APPLICATION</p> <p>20000831 WO/DFPE-A3 REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO EXPIRATION 19TH MONTH FROM PRIORITY DATE</p> <p>20001109 WO/AK-A3 [+] DESIGNATED STATES CITED IN A SUBSEQUENTLY PUBLISHED SEARCH RE CA JP</p> <p>20001109 WO/AL-A3 [+] DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A SUBSEQUENTLY PUBLISHED SEARCH REPORT AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE</p> <p>20010614 WO/ENP-A3</p>

Questel·Orbit QWEB

ENTRY INTO THE NATIONAL PHASE IN:
(CA 2355226A [CA2355226])

20010618 WO/ENP-A3
ENTRY INTO THE NATIONAL PHASE IN:
(JP 2000 587655A [JP2000 587655])

UP - 2003-22

2 / 28 INPADOC - ©INPADOC

PN	-	EP 1052924 A1 20001122 [EP1052924]
TI	-	UPRIGHT VACUUM CLEANER WITH CYCLONIC AIRFLOW
LA	-	ENG
IN	-	WRIGHT MICHAEL F [US]; THUR CHARLES J [US]; LATIMER BRETT [US]; STEPHENS PAUL D [US]; CIPOLLA MARK E [US]
PA	-	ROYAL APPLIANCE MFG [US]
AP	-	EP 98952175/98-A 19981008 [1998EP-0952175]
PR	-	EP 98952175/98-A 19981008 [1998EP-0952175] EP 98104806/98-A 19980317 [1998EP-0104806] WO 9821265/98(US)-W 19981008 [1998WO-US21265] US 4999/98-A 19980109 [1998US-0004999] US 122541/98-A 19980724 [1998US-0122541]
IC	-	A47L-009/16
DS	-	AT* BE* CH* CY* DE* DK* ES* FI* FR* GB* GR* IE* IT* LI* LU* MC* NL* P

1 / 1 LEGALI - ©EPO

PN	-	EP1052924 A1 20001122 [EP1052924]
AP	-	EP98952175 19981008 [1998EP-0952175]
DT	-	EP-A
ACTE	-	20001122 EP/AK-A [+] DESIGNATED CONTRACTING STATES: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE 20001122 EP/17P-A [+] REQUEST FOR EXAMINATION FILED EFFECTIVE DATE: 20000718
UP	-	2003-22

3 / 28 INPADOC - ©INPADOC

PN	-	EP 1139843 A2 20011010 [EP1139843]
TI	-	UPRIGHT VACUUM CLEANER WITH CYCLONIC AIRFLOW

LA	-	ENG
IN	-	WRIGHT MICHAEL F [US]; BAIR KENNETH W [US]; GIBBS RICHARD C [US]; REINDLE MARK E [US]
PA	-	ROYAL APPLIANCE MFG [US]
AP	-	EP 99967398/99-A 19991217 [1999EP-0967398]
PR	-	WO 9930143/99(US)-W 19991217 [1999WO-US30143] US 216529/98-A 19981218 [1998US-0216529]
IC	-	A47L-005/00
DS	-	AT* BE* CH* CY* DE* DK* ES* FI* FR* GB* GR* IE* IT* LI* LU* MC* NL* P

1/1 LEGALI - ©EPO

PN	-	EP1139843 A2 20011010 [EP1139843]
AP	-	EP99967398 19991217 [1999EP-0967398]
DT	-	EP-A
ACTE	-	20011010 EP/AK-A [+] DESIGNATED CONTRACTING STATES: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE 20011010 EP/17P-A [+] REQUEST FOR EXAMINATION FILED EFFECTIVE DATE: 20010618
UP	-	2003-22

4/28 INPADOC - ©INPADOC

PN	-	EP 928594 A1 19990714 [EP-928594]
TI	-	UPRIGHT VACUUM CLEANER WITH CYCLONIC AIRFLOW
LA	-	ENG
IN	-	WRIGHT MICHAEL F [US]; THUR CHARLES J [US]; LATIMER BRETT A [US]; STEPHANS PAUL D [US]
PA	-	ROYAL APPLIANCE MFG [US]
AP	-	EP 98104806/98-A 19980317 [1998EP-0104806]
PR	-	US 4999/98-A 19980109 [1998US-0004999]
IC	-	A47L-009/16; A47L-009/12; A47L-005/28
DS	-	AT* BE* CH* DE* DK* ES* FI* FR* GB* GR* IE* IT* LI* LU* MC* NL* PT* SE

1/1 LEGALI - ©EPO

PN	-	EP0928594 A1 19990714 [EP-928594]
AP	-	EP98104806 19980317 [1998EP-0104806]

DT	EP-A
ACTE	<p>19990714 EP/AK-A [+] DESIGNATED CONTRACTING STATES: AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE</p> <p>19990714 EP/AX-A [+] EXTENSION OF THE EUROPEAN PATENT TO AL;LT;LV;MK;RO;SI</p> <p>19990714 EP/17P-A [+] REQUEST FOR EXAMINATION FILED EFFECTIVE DATE: 19980317</p> <p>20000322 EP/AKX-A [+] PAYMENT OF DESIGNATION FEES AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE</p> <p>20011114 EP/17Q-A [+] FIRST EXAMINATION REPORT EFFECTIVE DATE: 20010926</p>
UP	2003-22

5 / 28 INPADOC - ©INPADOC

PN	-	JP 2002532122 T2 20021002 [JP2002532122]
AP	-	JP 2000587655/00-A 19991217 [2000JP-0587655]
PR	-	US 216529/98-A 19981218 [1998US-0216529] WO 9930143/99(US)-W 19991217 [1999WO-US30143]
IC	-	A47L-005/28; A47L-009/16

6 / 28 INPADOC - ©INPADOC

PN	-	US 6026540 A 20000222 [US6026540]
TI	-	UPRIGHT VACUUM CLEANER WITH CYCLONIC AIRFLOW
IN	-	WRIGHT MICHAEL F [US]; THUR CHARLES J [US]; LATIMER BRETT A [US]; STEPHENS PAUL D [US]; CIPOLLA MARK E [US]
PA	-	ROYAL APPLIANCE MFG [US]
AP	-	US 122541/98-A 19980724 [1998US-0122541]
PR	-	US 122541/98-A 19980724 [1998US-0122541] US 4999/98-A2 19980109 [1998US-0004999]
IC	-	A47L-009/10

1 / 1 LEGALI - ©EPO

Questel·Orbit QWEB

PN	-	US6026540 A 20000222 [US6026540]
AP	-	US12254198 19980724 [1998US-0122541]
DT	-	US-A
ACTE	-	20020827 US/RF-A REISSUE APPLICATION FILED EFFECTIVE DATE: 20020212
UP	-	2003-22

7 / 28 INPADOC - ©INPADOC

PN	-	US 6070291 A 20000606 [US6070291]
TI	-	UPRIGHT VACUUM CLEANER WITH CYCLONIC AIR FLOW
IN	-	BAIR KENNETH W [US]; GIBBS RICHARD C [US]; REINDLE MARK E [US]; W MICHAEL F [US]
PA	-	ROYAL APPLIANCE MFG [US]
AP	-	US 216529/98-A 19981218 [1998US-0216529]
PR	-	US 216529/98-A 19981218 [1998US-0216529] US 122541/98-A2 19980724 [1998US-0122541] US 4999/98-A2 19980109 [1998US-0004999]
IC	-	A47L-009/10

8 / 28 INPADOC - ©INPADOC

PN	-	US 6260234 BA 20010717 [US6260234]
TI	-	UPRIGHT VACUUM CLEANER WITH CYCLONIC AIRFLOW
IN	-	WRIGHT MICHAEL F [US]; THUR CHARLES J [US]; LATIMER BRETT [US]; STEPHENS PAUL D [US]; CIPOLLA MARK E [US]; BARBECK CRAIG J [US]
PA	-	ROYAL APPLIANCE MFG [US]
AP	-	US 415363/99-A 19991008 [1999US-0415363]
PR	-	US 415363/99-A 19991008 [1999US-0415363] US 4999/98-A2 19980109 [1998US-0004999] US 122541/98-A2 19980724 [1998US-0122541]
IC	-	A47L-009/16

9 / 28 INPADOC - ©INPADOC

PN	-	US 2001010108 AA 20010802 [US20010010108]
TI	-	UPRIGHT VACUUM CLEANER WITH CYCLONIC AIR FLOW
IN	-	BAIR KENNETH W [US]; GIBBS RICHARD C [US]; REINDLE MARK E [US]; W MICHAEL F [US]
PA	-	ROYAL APPLIANCE MFG [US]

Questel Orbit QWEB

AP	-	US 818441/01-A 20010327 [2001US-0818441]
PR	-	US 818441/01-A 20010327 [2001US-0818441] US 461120/99-A3 19991214 [1999US-0461120] US 216529/98-A1 19981218 [1998US-0216529] US 122541/98-A2 19980724 [1998US-0122541] US 4999/98-A2 19980109 [1998US-0004999]
IC	-	A47L-009/16

10/28 INPADOC - ©INPADOC

PN	-	US 2001010107 AA 20010802 [US20010010107]
TI	-	UPRIGHT VACUUM CLEANER WITH CYCLONIC AIR FLOW
IN	-	BAIR KENNETH W [US]; GIBBS RICHARD C [US]; REINDLE MARK E [US]; W MICHAEL F [US]
PA	-	ROYAL APPLIANCE MFG [US]
AP	-	US 818431/01-A 20010327 [2001US-0818431]
PR	-	US 818431/01-A 20010327 [2001US-0818431] US 461120/99-A3 19991214 [1999US-0461120] US 216529/98-A1 19981218 [1998US-0216529] US 122541/98-A2 19980724 [1998US-0122541] US 4999/98-A2 19980109 [1998US-0004999]
IC	-	A47L-009/16

11/28 INPADOC - ©INPADOC

PN	-	US 2001011402 AA 20010809 [US20010011402]
TI	-	UPRIGHT VACUUM CLEANER WITH CYCLONIC AIR FLOW
IN	-	BAIR KENNETH W [US]; GIBBS RICHARD C [US]; REINDLE MARK E [US]; W MICHAEL F [US]
PA	-	ROYAL APPLIANCE MFG [US]
AP	-	US 818756/01-A 20010327 [2001US-0818756]
PR	-	US 818756/01-A 20010327 [2001US-0818756] US 461120/99-A3 19991214 [1999US-0461120] US 216529/98-A1 19981218 [1998US-0216529] US 122541/98-A2 19980724 [1998US-0122541] US 4999/98-A2 19980109 [1998US-0004999]
IC	-	A47L-009/10

12/28 INPADOC - ©INPADOC

PN	-	US 2001039692 AA 20011115 [US20010039692]
TI	-	UPRIGHT VACUUM CLEANER WITH CYCLONIC AIRFLOW

Questel Orbit QWEB

IN	-	WRIGHT MICHAEL F [US]; THUR CHARLES J [US]; LATIMER BRETT [US]; STEPHENS PAUL D [US]; CIPOLLA MARK E [US]; BARBECK CRAIG J [US]
PA	-	ROYAL APPLIANCE MFG [US]
AP	-	US 900557/01-A 20010706 [2001US-0900557]
PR	-	US 900557/01-A 20010706 [2001US-0900557] US 415363/99-A1 19991008 [1999US-0415363] US 216529/98-A2 19981218 [1998US-0216529] US 122541/98-A2 19980724 [1998US-0122541] US 4999/98-A2 19980109 [1998US-0004999]
IC	-	A47L-009/16; B01D-050/00

13 / 28 INPADOC - ©INPADOC

PN	-	US 6353963 BA 20020312 [US6353963]
TI	-	UPRIGHT VACUUM CLEANER WITH CYCLONIC AIR FLOW
IN	-	BAIR KENNETH W [US]; GIBBS RICHARD C [US]; REINDLE MARK E [US]; W MICHAEL F [US]
PA	-	ROYAL APPLIANCE MFG [US]
AP	-	US 461120/99-A 19991214 [1999US-0461120]
PR	-	US 461120/99-A 19991214 [1999US-0461120] US 216529/98-A1 19981218 [1998US-0216529] US 122541/98-A2 19980724 [1998US-0122541] US 4999/98-A2 19980109 [1998US-0004999]
IC	-	A47L-009/10

14 / 28 INPADOC - ©INPADOC

PN	-	US 6401295 BB 20020611 [US6401295]
TI	-	UPRIGHT VACUUM CLEANER WITH CYCLONIC AIR FLOW
IN	-	BAIR KENNETH W [US]; GIBBS RICHARD C [US]; REINDLE MARK E [US]; W MICHAEL F [US]
PA	-	ROYAL APPLIANCE MFG [US]
AP	-	US 818431/01-A 20010327 [2001US-0818431]
PR	-	US 818431/01-A 20010327 [2001US-0818431] US 461120/99-A3 19991214 [1999US-0461120] US 216529/98-A1 19981218 [1998US-0216529] US 122541/98-A2 19980724 [1998US-0122541] US 4999/98-A2 19980109 [1998US-0004999]
IC	-	A47L-009/12

15 / 28 INPADOC - ©INPADOC

Questel·Orbit QWEB

PN	-	US 2002095742 AA 20020725 [US20020095742]
TI	-	UPRIGHT VACUUM CLEANER WITH CYCLONIC AIR FLOW
IN	-	BAIR KENNETH W [US]; GIBBS RICHARD C [US]; REINDLE MARK E [US]; W MICHAEL F [US]
PA	-	BAIR KENNETH W [US]; GIBBS RICHARD C [US]; REINDLE MARK E [US]; W MICHAEL F [US]
AP	-	US 94675/02-A 20020311 [2002US-0094675]
PR	-	US 94675/02-A 20020311 [2002US-0094675] US 461120/99-A1 19991214 [1999US-0461120] US 122541/98-A2 19980724 [1998US-0122541] US 4999/98-A2 19980109 [1998US-0004999]
IC	-	A47L-009/16

16/28 INPADOC - ©INPADOC

PN	-	US 6463622 BB 20021015 [US6463622]
TI	-	UPRIGHT VACUUM CLEANER WITH CYCLONIC AIRFLOW
IN	-	WRIGHT MICHAEL F [US]; THUR CHARLES J [US]; LATIMER BRETT [US]; STEPHENS PAUL D [US]; CIPOLLA MARK E [US]; BARBECK CRAIG J [US]
PA	-	ROYAL APPLIANCE MFG [US]
AP	-	US 900557/01-A 20010706 [2001US-0900557]
PR	-	US 900557/01-A 20010706 [2001US-0900557] US 415363/99-A1 19991008 [1999US-0415363] US 216529/98-A2 19981218 [1998US-0216529] US 122541/98-A2 19980724 [1998US-0122541] US 4999/98-A2 19980109 [1998US-0004999]
IC	-	A47L-009/16

17/28 INPADOC - ©INPADOC

PN	-	US 2002174509 AA 20021128 [US20020174509]
TI	-	UPRIGHT VACUUM CLEANER WITH CYCLONIC AIR FLOW
IN	-	BAIR KENNETH W [US]; GIBBS RICHARD C [US]; REINDLE MARK E [US]; W MICHAEL F [US]
PA	-	BAIR KENNETH W [US]; GIBBS RICHARD C [US]; REINDLE MARK E [US]; W MICHAEL F [US]
AP	-	US 162523/02-A 20020604 [2002US-0162523]
PR	-	US 162523/02-A 20020604 [2002US-0162523] US 818431/01-A1 20010327 [2001US-0818431] US 216529/98-A1 19981218 [1998US-0216529] US 122541/98-A1 19980724 [1998US-0122541] US 4999/98-A1 19980109 [1998US-0004999]
IC	-	A47L-009/12

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PN	-	US 2003014830 AA 20030123 [US20030014830]
TI	-	UPRIGHT VACUUM CLEANER WITH CYCLONIC AIR FLOW
IN	-	BAIR KENNETH W [US]; GIBBS RICHARD C [US]; REINDLE MARK E [US]; W MICHAEL F [US]
PA	-	ROYAL APPLIANCE MFG [US]
AP	-	US 244900/02-A 20020917 [2002US-0244900]
PR	-	US 244900/02-A 20020917 [2002US-0244900] US 818756/01-A1 20010327 [2001US-0818756] US 461120/99-A3 19991214 [1999US-0461120] US 216529/98-A1 19981218 [1998US-0216529] US 122541/98-A2 19980724 [1998US-0122541] US 4999/98-A2 19980109 [1998US-0004999]
IC	-	A47L-009/10

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PN	-	US 2003024069 AA 20030206 [US20030024069]
TI	-	UPRIGHT VACUUM CLEANER WITH CYCLONIC AIR FLOW
IN	-	BAIR KENNETH W [US]; GIBBS RICHARD C [US]; REINDLE MARK E [US]; W MICHAEL F [US]
PA	-	ROYAL APPLIANCE MFG [US]
AP	-	US 218231/02-A 20020813 [2002US-0218231]
PR	-	US 218231/02-A 20020813 [2002US-0218231] US 818756/01-A1 20010327 [2001US-0818756] US 461120/99-A3 19991214 [1999US-0461120] US 216529/98-A1 19981218 [1998US-0216529] US 122541/98-A2 19980724 [1998US-0122541] US 4999/98-A2 19980109 [1998US-0004999]
IC	-	A47L-009/16

20 / 28 INPADOC - ©INPADOC

PN	-	US 2003037406 AA 20030227 [US20030037406]
TI	-	UPRIGHT VACUUM CLEANER WITH CYCLONIC AIRFLOW
IN	-	WRIGHT MICHAEL F [US]; THUR CHARLES J [US]; LATIMER BRETT [US]; STEPHENS PAUL D [US]; CIPOLLA MARK E [US]; BARBECK CRAIG J [US]
PA	-	ROYAL APPLIANCE MFG [US]
AP	-	US 271037/02-A 20021015 [2002US-0271037]
PR	-	US 271037/02-A 20021015 [2002US-0271037]

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	US 900557/01-A1 20010706 [2001US-0900557]
	US 415363/99-A1 19991008 [1999US-0415363]
	US 216529/98-A2 19981218 [1998US-0216529]
	US 4999/98-A2 19980109 [1998US-0004999]

IC	A47L-009/16
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PN	-	US 6588055 BB 20030708 [US6588055]
TI	-	UPRIGHT VACUUM CLEANER WITH CYCLONIC AIR FLOW
IN	-	BAIR KENNETH W [US]; GIBBS RICHARD C [US]; REINDLE MARK E [US]; W MICHAEL F [US]
PA	-	NAT CITY BANK [US]
AP	-	US 818756/01-A 20010327 [2001US-0818756]
PR	-	US 818756/01-A 20010327 [2001US-0818756] US 461120/99-A3 19991214 [1999US-0461120] US 216529/98-A1 19981218 [1998US-0216529] US 122541/98-A2 19980724 [1998US-0122541] US 4999/98-A2 19980109 [1998US-0004999]
IC	-	A47L-009/12

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PN	-	US 6588054 BB 20030708 [US6588054]
TI	-	UPRIGHT VACUUM CLEANER WITH CYCLONIC AIRFLOW
IN	-	BAIR KENNETH W [US]; GIBBS RICHARD C [US]; REINDLE MARK E [US]; W MICHAEL F [US]
PA	-	NAT CITY BANK [US]
AP	-	US 818441/01-A 20010327 [2001US-0818441]
PR	-	US 818441/01-A 20010327 [2001US-0818441] US 461120/99-A3 19991214 [1999US-0461120] US 216529/98-A1 19981218 [1998US-0216529] US 122541/98-A2 19980724 [1998US-0122541] US 4999/98-A2 19980109 [1998US-0004999]
IC	-	A47L-009/16

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PN	-	US 476983 S1 20030708 [USD-476983]
TI	-	KEY BUTTONS FOR A HANDSET
IN	-	SALMI PERTTI [FI]
PA	-	NOKIA CORP [FI]

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AP - US 162523/02-D 20020617 [2002US-0162523]

PR - US 162523/02-D 20020617 [2002US-0162523]

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PN	-	US 6591446 BB 20030715 [US6591446]
TI	-	UPRIGHT VACUUM CLEANER WITH CYCLONIC AIR FLOW
IN	-	BAIR KENNETH W [US]; GIBBS RICHARD C [US]; REINDLE MARK E [US]; W MICHAEL F [US]
PA	-	ROYAL APPLIANCE MFG [US]
AP	-	US 244900/02-A 20020917 [2002US-0244900]
PR	-	US 244900/02-A 20020917 [2002US-0244900] US 818756/01-A1 20010327 [2001US-0818756] US 461120/99-A3 19991214 [1999US-0461120] US 216529/98-A1 19981218 [1998US-0216529] US 122541/98-A2 19980724 [1998US-0122541] US 4999/98-A2 19980109 [1998US-0004999]
IC	-	A47L-009/16

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PN	-	US 6003196 A 19991221 [US6003196]
TI	-	UPRIGHT VACUUM CLEANER WITH CYCLONIC AIRFLOW
IN	-	WRIGHT MICHAEL F [US]; THUR CHARLES J [US]; LATIMER BRETT [US]; STEPHENS PAUL D [US]
PA	-	ROYAL APPLIANCE MFG [US]
AP	-	US 4999/98-A 19980109 [1998US-0004999]
PR	-	US 4999/98-A 19980109 [1998US-0004999]
IC	-	A47L-009/10

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PN	-	WO 200035330 A2 20000622 [WO200035330]
TI	-	UPRIGHT VACUUM CLEANER WITH CYCLONIC AIRFLOW
LA	-	ENG
IN	-	WRIGHT MICHAEL F; BAIR KENNETH W; GIBBS RICHARD C; REINDLE MA
PA	-	ROYAL APPLIANCE MFG [US]
AP	-	WO US 9930143/99(US)-A 19991217 [1999WO-US30143]
PR	-	US 216529/98-A 19981218 [1998US-0216529]
IC	-	A47L-005/00

DS CA* JP* AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

1/1 LEGALI - ©EPO

PN	WO200035330 A2 20000622 [WO200035330] WO200035330 A3 20001109 [WO200035330]
AP	WOUS9930143 19991217 [1999WO-US30143]
DT	WO-P; WO-A3; JP-A; CA-A
ACTE	<p>20000622 WO/AK-A3 [+] DESIGNATED STATES CITED IN A SUBSEQUENTLY PUBLISHED SEARCH RE CA JP</p> <p>20000622 WO/AL-A3 [+] DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A SUBSEQUENTLY PUBLISHED SEARCH REPORT AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE</p> <p>20000816 WO/121-A3 EP: THE EPO HAS BEEN INFORMED BY WIPO THAT EP WAS DESIGNATED IN APPLICATION</p> <p>20000831 WO/DFPE-A3 REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO EXPIRATION 19TH MONTH FROM PRIORITY DATE</p> <p>20001109 WO/AK-A3 [+] DESIGNATED STATES CITED IN A SUBSEQUENTLY PUBLISHED SEARCH RE CA JP</p> <p>20001109 WO/AL-A3 [+] DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A SUBSEQUENTLY PUBLISHED SEARCH REPORT AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE</p> <p>20010614 WO/ENP-A3 ENTRY INTO THE NATIONAL PHASE IN: (CA 2355226A [CA2355226])</p> <p>20010618 WO/ENP-A3 ENTRY INTO THE NATIONAL PHASE IN: (JP 2000 587655A [JP2000 587655])</p>
UP	2003-22

27/28 INPADOC - ©INPADOC

PN	WO 200035330 A3 20001109 [WO200035330]
TI	UPRIGHT VACUUM CLEANER WITH CYCLONIC AIRFLOW
LA	ENG

Questel·Orbit QWEB

IN	-	WRIGHT MICHAEL F; BAIR KENNETH W; GIBBS RICHARD C; REINDLE MA
PA	-	ROYAL APPLIANCE MFG [US]
AP	-	WO US 9930143/99(US)-A 19991217 [1999WO-US30143]
PR	-	US 216529/98-A 19981218 [1998US-0216529]
IC	-	A47L-009/16
DS	-	CA* JP* AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

1/1 LEGALI - ©EPO

PN	-	WO200035330 A2 20000622 [WO200035330]WO200035330 A3 20001109 [WO2000
AP	-	WOUS9930143 19991217 [1999WO-US30143]
DT	-	WO-P; WO-A3; JP-A; CA-A
ACTE	-	<p>20000622 WO/AK-A3 [+] DESIGNATED STATES CITED IN A SUBSEQUENTLY PUBLISHED SEARCH RE CA JP</p> <p>20000622 WO/AL-A3 [+] DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A SUBSEQUENTLY PUBLISHED SEARCH REPORT AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE</p> <p>20000816 WO/121-A3 EP: THE EPO HAS BEEN INFORMED BY WIPO THAT EP WAS DESIGNATED IN APPLICATION</p> <p>20000831 WO/DFPE-A3 REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO EXPIRATION 19TH MONTH FROM PRIORITY DATE</p> <p>20001109 WO/AK-A3 [+] DESIGNATED STATES CITED IN A SUBSEQUENTLY PUBLISHED SEARCH RE CA JP</p> <p>20001109 WO/AL-A3 [+] DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A SUBSEQUENTLY PUBLISHED SEARCH REPORT AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE</p> <p>20010614 WO/ENP-A3 ENTRY INTO THE NATIONAL PHASE IN: (CA 2355226A [CA2355226])</p> <p>20010618 WO/ENP-A3 ENTRY INTO THE NATIONAL PHASE IN: (JP 2000 587655A [JP2000 587655])</p>
UP	-	2003-22

28/28 INPADOC - ©INPADOC

PN	-	WO 9934722 A1 19990715 [WO9934722]
TI	-	UPRIGHT VACUUM CLEANER WITH CYCLONIC AIRFLOW
LA	-	ENG
IN	-	WRIGHT MICHAEL F; THUR CHARLES J; LATIMER BRETT; STEPHENS PAUL CIPOLLA MARK E
PA	-	ROYAL APPLIANCE MFG [US]
AP	-	WO US 9821265/98(US)-A 19981008 [1998WO-US21265]
PR	-	EP 98104806/98-A 19980317 [1998EP-0104806] US 4999/98-A 19980109 [1998US-0004999] US 122541/98-A 19980724 [1998US-0122541]
IC	-	A47L-009/16
DS	-	AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

1/1 LEGALI - ©EPO

PN	-	WO9934722 A1 19990715 [WO9934722]
AP	-	WOUS9821265 19981008 [1998WO-US21265]
DT	-	WO-P; WO-A1
ACTE	-	19990715 WO/AL-A1 [+] DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE 19990805 WO/DFPE-A1 REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO EXPIRATION 19TH MONTH FROM PRIORITY DATE 19990915 WO/121-A1 EP: THE EPO HAS BEEN INFORMED BY WIPO THAT EP WAS DESIGNATED I APPLICATION
UP	-	2003-22